

Wireshark Question

HTTP Protocol

1. Start up your web browser and Wireshark packet sniffer. Capture packets in Wireshark while you visit <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>
By looking at the information in the HTTP GET and response messages, answer the following questions
 - 1) Is your browser running HTTP version 1.0 or 1.1? What version of HTTP is the server running?
 - 2) What languages (if any) does your browser indicate that it can accept to the server?
 - 3) What is the IP address of your computer? Of the gaia.cs.umass.edu server?
 - 4) What is the status code returned from the server to your browser?
 - 5) When was the HTML file that you are retrieving last modified at the server?
 - 6) How many bytes of content are being returned to your browser?
2. Enter the following URL into your browser
<http://library.nitk.ac.in/joomla/>
 - 1) What is the source and destination IP? Is it public or private IP?
 - 2) What is the version of HTTP used, and what is the status code returned?
 - 3) When was the last time the server modified
 - 4) Was there a cookie field in the request? Which is the base protocol for HTTP?
 - 5) What is the Accept header, and what are the content types in the Accept header of this particular request?
3. Enter the following URL into your browser:
<http://unreachable>
 - 1) What is the Server IP? Is it public or private? Should it be unique throughout the world?
 - 2) What is the response status code? What does that mean?

Socket Programming

1. Write a program to exchange hello messages between server and client to demonstrate the client/server model.
[Client and server Program](#)
[Theoretical Explanation](#)